

Notes (01/29/2024)

Antivirus Software

These are crucial computer programs designed to safeguard your system by preventing, detecting, and eliminating various forms of malicious software, such as viruses and malware. They play a vital role in maintaining the security and integrity of your digital environment.

Some notable antivirus programs include:

- Windows Security
- Avast
- McAfee

Backups/Backing Up Files

Creating additional copies of your computer files is essential to ensure a safety net in case of data loss or damage. These backup copies act as a reliable resource for restoring files that may be lost or compromised. (*e.g.*: Google Drive)

Bandwidth

In the realm of networking, bandwidth is the measurement of data that can traverse a network or a specific segment of it within a given timeframe. It essentially dictates the speed at which information can be transmitted.

Botnet

A botnet represents a network of computers infected with a program that enables remote control. Typically, these compromised computers are orchestrated to carry out coordinated actions, allowing the orchestrator to wield power and cause disruptions that would be unattainable with a single computer.

Computer Virus

This term encompasses a broad category of malware that can infiltrate and adversely affect computer systems. Viruses can replicate themselves and spread to other computers, potentially causing significant damage to data and system functionality.

DDoS (Distributed Denial of Service)

This cyberattack involves overwhelming an online service, like a website, with an excessive amount of traffic. By doing so, the service becomes unavailable to legitimate users, causing disruption and downtime.

Doxnet

A fictional virus inspired by the notorious Stuxnet. Much like its real-world counterpart, Doxnet possesses the capability to inflict physical damage on infrastructure, showcasing the evolving and increasingly sophisticated nature of cyber threats.

Encryption

The process of encoding information using codes to render it unreadable. Encrypted data remains indecipherable until decrypted using a secret key, providing an additional layer of security to sensitive information.

Firewall

This software serves as a protective barrier designed to prevent malware and unauthorized access from infiltrating secure networks. Acting as a digital gatekeeper, firewalls contribute to fortifying the security perimeter of computer systems.

Also view at <https://sites.google.com/view/owca/notes/01-29-2024>